

Applicants: Ann Marie Rodriguez, et al.
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Amendment to the specification:

Please amend the specification under the provisions of 37 C.F.R. §1.121 as follows:

Please replace the paragraph starting at page 29, line 14, with the following amended paragraph:

Right hand side photos: Expression of Rex-1 transcription factor by Primo 2CA cells after 80 and 160 population doublings. The transcription factor Rex-1 is involved in maintaining the undifferentiated state of embryonic stem cells. The numbers "1", "2" and "3" mean "-RT (negative control)", "CA cells", and "CA1cells", respectively.

The PCR conditions are:

- for Oct-4: 94°C, 1min; 57°C, 1min; 72°C, 1min for 45 cycles.

Primers : 5'-GACAACAATGAAAATCTTCAGGAGA-3' (SEQ ID NO:1)
and 5'-TTCTGGCGCCGGTTACAGAACCA-3' (SEQ ID NO:2),
internal primer 5'-CACTCGGTTCTCGATACTGG-3' (SEQ ID NO:3)
for a 220-bp fragment

- for ABCG2 : 94°C, 1min; 60°C, 1min; 72°C, 1min for 31 cycles,

Primers : 5'-GGCCTCAGGAAGACTTATGT-3' (SEQ ID NO:4) and
5'-AAGGAGGTGGTGTAGCTGAT-3' (SEQ ID NO:5)

- for Rex-1 : 94°C, 1min, 60°C 1 min, 72°C 1min, Number of cycles 31; 72° 5min, 1 cycle

Primer : 5'-CTCTCCAGTATGAACCAGG-3' (SEQ ID NO:6) and

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5'-GAAAGGATCAGAACAACAGC-3' (SEQ ID NO:7),
internal primer, 5'-GGCATTGACCTATCAGATCC-3' (SEQ ID NO:8)
for a 400-bp fragment.